

**INDICATIONS RELATING TO DEPOSITED MICROORGANISM  
OR OTHER BIOLOGICAL MATERIAL**

(PCT Rule 13bis)

<b>A.</b> The indications made below relate to the deposited microorganism or other biological material referred to in the description on page <u>54</u> , line <u>32</u>	
<b>B. IDENTIFICATION OF DEPOSIT</b> <span style="float: right;">Further deposits are identified on an additional sheet <input type="checkbox"/></span>	
Name of depositary institution DSMZ - Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH	
Address of depositary institution (including postal code and country) DSMZ Mascheroder Weg 1b D-38124 Braunschweig Germany	
Date of deposit <div style="text-align: center;">15/09/2003</div>	Accession Number <div style="text-align: center;">DSM 15926</div>
<b>C. ADDITIONAL INDICATIONS</b> (leave blank if not applicable) <span style="float: right;">This information is continued on an additional sheet <input type="checkbox"/></span>	
<b>D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE</b> (if the indications are not for all designated States)	
<b>E. SEPARATE FURNISHING OF INDICATIONS</b> (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g. "Accession Number of Deposit")	

<p align="center"><b>For receiving Office use only</b></p> <p><input checked="" type="checkbox"/> This sheet was received with the international application</p> <hr/> <p>Authorized officer          M. Samoc' <i>MAN</i></p>	<p align="center"><b>For International Bureau use only</b></p> <p><input type="checkbox"/> This sheet was received by the International Bureau on:</p> <hr/> <p>Authorized officer</p>
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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010985

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N5/10 A01H5/00 C12N15/82 C12N9/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, BIOSIS, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/70942 A (DANISCO ; POULSON PETER (DK); SOERENSEN IBEN SCHILDT (DK)) 27 September 2001 (2001-09-27) the whole document	1-17,22, 23,26-32
X	WO 96/34968 A (GIDLEY MICHAEL JOHN ; WESTCOTT ROGER JOHN (GB); COOKE DAVID (GB); DEBE) 7 November 1996 (1996-11-07) example 25 example 1 page 28 page 39, paragraph 3 claims 1-68	1-17,22, 23,26-32  18,23-26
X		

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

11 January 2005

Date of mailing of the international search report

18/01/2005

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCI/EP2004/010985

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online! 8 June 2001 (2001-06-08), "EST512701 cSTD Solanum tuberosum cDNA clone cSTD203 5' sequence, mRNA sequence." XP002309391 retrieved from EBI accession no. EM_PRO:BG886850 Database accession no. BG886850 abstract</p>	18-20,23
A	<p>----- DATABASE UniProt 'Online! 1 March 2003 (2003-03-01), "Putative 1,4-alpha-glucan branching enzyme." XP002309392 retrieved from EBI accession no. UNIPROT:Q8GWK4 Database accession no. Q8GWK4 abstract &amp; DATABASE EMBL SEQUENCE LIBRARY 13 December 2002 (2002-12-13), SEKI, M., ET AL.: "A. thaliana At3g20440 mRNA for putative 1,4-alpha-glucan branching enzyme, complete cds, clone: RAFL21-11-008" accession no. WWW.EBI.AC.UK Database accession no. AK118785 abstract</p>	
A	<p>----- JOBLING STEPHEN A ET AL: "A minor form of starch branching enzyme in potato (Solanum tuberosum L.) tubers has a major effect on starch structure: Cloning and characterisation of multiple forms of SBE A" PLANT JOURNAL, vol. 18, no. 2, April 1999 (1999-04), pages 163-171, XP002309385 ISSN: 0960-7412 figure 3 page 166, left-hand column, paragraph 1</p>	
A	<p>----- LARSSON CLAS-TOMAS ET AL: "Molecular cloning and characterization of starch-branching enzyme II from potato" PLANT MOLECULAR BIOLOGY, vol. 37, no. 3, June 1998 (1998-06), pages 505-511, XP002309386 ISSN: 0167-4412 the whole document figure 2</p> <p>----- -/--</p>	

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010985

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KHOSHNOODI JAMSHID ET AL: "The multiple forms of starch-branching enzyme I in Solanum tuberosum" EUROPEAN JOURNAL OF BIOCHEMISTRY, vol. 242, no. 1, 1996, pages 148-155, XP002309387 ISSN: 0014-2956 the whole document figure 1</p>	
A	<p>MIZUNO K ET AL: "ALTERATION OF THE STRUCTURAL PROPERTIES OF STARCH COMPONENTS BY THE LACK OF AN ISOFORM OF STARCH BRANCHING ENZYME IN RICE SEEDS" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 268, no. 25, 5 September 1993 (1993-09-05), pages 19084-19091, XP002014043 ISSN: 0021-9258 the whole document</p>	
A	<p>BLAUTH SUSAN L ET AL: "Identification of Mutator insertional mutants of starch-branching enzyme 1 (sbe1) in Zea mays L" PLANT MOLECULAR BIOLOGY, vol. 48, no. 3, February 2002 (2002-02), pages 287-297, XP002309388 ISSN: 0167-4412 page 295, right-hand column, last paragraph - page 296, left-hand column</p>	
A	<p>BLAUTH SUSAN L ET AL: "Identification of Mutator insertional mutants of starch-branching enzyme 2a in corn" PLANT PHYSIOLOGY (ROCKVILLE), vol. 125, no. 3, March 2001 (2001-03), pages 1396-1405, XP002309389 ISSN: 0032-0889 page 1401</p>	
A	<p>FLIPSE E ET AL: "INTRODUCTION OF SENSE AND ANTISENSE CDNA FOR BRANCHING ENZYME IN THE AMYLOSE-FREE POTATO MUTANT LEADS TO PHYSICO-CHEMICAL CHANGES IN THE STARCH" PLANTA, SPRINGER VERLAG, DE, vol. 198, 1996, pages 340-347, XP009019570 ISSN: 0032-0935 the whole document page 346, right-hand column, last paragraph</p>	

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010985

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>RYDBERG ULRIKA ET AL: "Comparison of starch branching enzyme I and II from potato"</p> <p>EUROPEAN JOURNAL OF BIOCHEMISTRY, vol. 268, no. 23, December 2001 (2001-12), pages 6140-6145, XP002309390</p> <p>ISSN: 0014-2956</p> <p>the whole document</p> <p>-----</p>	

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International Application No  
PCT/EP2004/010985

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